

# USCMS Engineer Status Report for November 2003

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## 1 Work Performed This Month

o) Documentation for IGUANACMS project updated, automatic build procedure is put in place: user guide, web pages, reference manual, dependencies, developers corner (see <http://cern.ch/iguanacms>).

o) Poster for ACAT prepared;

o) IGUANACMS 1.1.0 released:

Milestones met:

DDD/OSCAR visualisation both technically work; Technically usable by ORCA/OSCAR developers; Clean (minimal) set of web pages; Tutorial and user guide combined in a single up-to-date document.

IGUANACMS all subsystems: Clean up of BuildFiles: use groups rather than modules, clean set of groups - no unresolved symbols in plugins.

VisDocumentation: - Updated User Guide with new screen shots; - New set of web pages.

VisMantis: - Check if .orcarc defines data proxies and load those.

VisOrca: - Split of SimReader and RecReader based applications; - Two step setup to choose one or the other; - Split ORCA visualisation plugins on Sim and Rec parts (VisMuon and VisMuonReco, VisTracker and VisTrackerReco, etc.); - Separate Geant3 and Reconstruction geometry;

VisCobra: - 3D representation update is done correctly for invisible objects; - Clean 3D representation when needed.

## 2 Plans For Next Month

\* Work on IGUANACMS 1.2.0:

- Built in the project configuration automatic documentation generation;
- Short written description of release procedure including how to do testing, documentation updates, etc.;
- Dependency checking of code and cleaning up;
- Automatic build-time validation of all plug-ins;
- In-built checks on validity of system (X11, XFree, OpenGL, video acceleration).

\* Integration of Custom Tracker visualisation.

## 3 Links To Supporting Documentation

- <http://cern.ch/iguanacms/>
- <http://iguana.web.cern.ch/iguana/docs/papers/2003-12-acat-iguana/iguana-ACAT-A4-poster.pdf>